



Attorney's Registration No.: 09531-005001 / 97141

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Gary L. Nelsestuen

Serial No. : 09/302,239

Filed : April 29, 1999

Title : MODIFIED VITAMIN K-DEPENDENT POLYPEPTIDES

Art Unit : 1653

Examiner : H. Schnizer

Commissioner for Patents  
Washington, DC 20231

25  
D  
3-14-03  
RECEIVED

FEB 24 2003

TECH CENTER 1600/2900

AMENDMENT AND RESPONSE

In response to the action mailed October 8, 2002, please amend the application as follows:

In the claims:

Please cancel claim 6.

Please amend claims 1, 3-5, 7-14, and 17 as follows:

①  
1. (Four times amended) A Factor VII or Factor VIIa polypeptide comprising a modified GLA domain that enhances membrane binding affinity and activity of said polypeptide relative to a corresponding native Factor VII or Factor VIIa polypeptide, said modified GLA domain comprising at least one amino acid substitution at residue 10 or residue 28 of SEQ ID NO:3 or SEQ ID NO:4.

2  
3. (Three times amended) The polypeptide of claim 1, wherein a glutamine, a glutamic acid, an aspartic acid, or an asparagine residue is substituted at residue 10 of SEQ ID NO:3 or SEQ ID NO:4.

D2  
4. (Twice amended) The polypeptide of claim 3, wherein a glutamine residue is substituted at residue 10 of SEQ ID NO:3 or SEQ ID NO:4.

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 2327, Arlington, VA 22202.

February 10, 2003

Date of Deposit

Signature

B. Taylor

Typed or Printed Name of Person Signing Certificate